BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Dynactin 2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02764
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human p50 Dynamitin. AA range:341-390
Mol wt	44231
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Dynactin 2 Antibody
Synonyms	DCTN2; DCTN50; Dynactin subunit 2; 50 kDa dynein-associated polypeptide; Dynactin complex 50 kDa subunit; DCTN-50; p50 dynamitin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

DCTN2 encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affix p150 in place. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for DCTN2.

Recommended Dilution

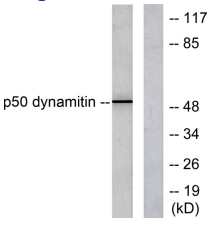
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

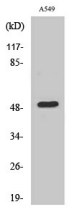
ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of lysates from A549 cells, using p50 Dynamitin Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Dynactin 2 Polyclonal Antibody diluted at 1:500

Storage

-20°C for one year

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